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PTO/SB/21 (09-04)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number

10/683,948

Filing Date

10/10/2003

First Named Inventor

Didenko et al.

Art Unit

1732

Examiner Name

Attorney Docket Number

004367.00019

ENCLOSURES (check all that apply)☐ Fee Transmittal Form☐ Fee Attached☐ Amendment / Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☒ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Reply to Missing Parts/
Incomplete Application☐ Reply to Missing Parts
under 37 CFR1.52 or 1.53☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a
Provisional Application☐ Power of Attorney, Revocation
Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ Landscape Table on CD☐ After Allowance Communication to TC☐ Appeal Communication to Board
of Appeals and Interferences☐ Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s)
(please identify below):

PTO/SB/08b

7 Non-Patent References

International Search Report

PCT Written Opinion

Certificate of Express Mailing

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RemarksCommissioner of Patents is hereby authorized to charge any
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Date

2/27/2006

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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(Attorney Docket No: 004367.00019)

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Deposited February 27, 2006

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By: 

Application of: Didenko, et al.

Serial No.: 10/683,948

Filing Date: October 10, 2003

Title: **Controlled Chemical Aerosol Flow Synthesis of Nanometer-Sized Particles
and Other Nanometer-Sized Products**

Transmitted herewith are the following documents:

- ☒ Transmittal Form (1 page)
- ☒ Supplemental Information Disclosure Statement (1 page)
- ☒ PTO/SB/08b
- ☒ Cited Non-Patent References (7 references)
- ☒ International Search Report
- ☒ PCT Written Opinion of the International Searching Authority
- ☒ Return Receipt Postcard

Attorney Case No.: 011184.00005



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 004367.00019

In re U.S. Patent Application of)
Didenko, et al.)
Application No. 10/683,948) Group Art Unit: 1732
Filed: October 10, 2003) Examiner: TBA
FOR: Controlled Chemical Aerosol Flow)
Synthesis of Nanometer-Sized Particles)
and Other Nanometer-Sized Products)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MAIL STOP: AMENDMENT

Commission for Patents

P.O. Box 1450-

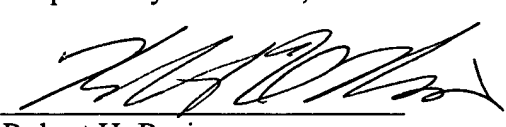
Alexandria, VA 22313-1450

Pursuant to 37 CFR §1.97, Applicants wish to make the documents listed on the enclosed Form PTO/SB/08b of record in the above-identified application. These documents are listed in the International Search Report and PCT Written Opinion of the International Searching Authority mailed February 8, 2006 (courtesy copy enclosed) in the corresponding PCT Application PCT/US2004/032734. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 CFR §1.56. Copies of references are enclosed.

No fee is believed due, however, the Commissioner is hereby authorized to charge any fees that may be due or credit any overpayment of fees to our Deposit Account No. 19-0733.

Respectfully submitted,

Dated: February 27, 2006

By: 

Robert H. Resis

Registration No. 32,168

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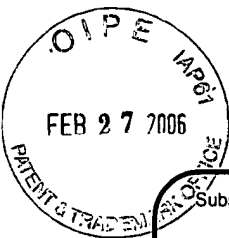
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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/683,948
Filing Date	10/10/2003
First Named Inventor	Yuri T. Didenko
Art Unit	1732
Examiner Name	TBA
Attorney Docket Number	004367.00019

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	OKUYAMA, KIKUO et al., "Preparation of ZnS and CdS Fine Particles Sizes by a Spray Pyrolysis Method", Journal of Materials Science, 1997, pgs. 1229-1237, vol. 32, Chapman & Hall	
	2	PENG, XIAOGANG et al., "Shape Control of CdSe Nanocrystals", Nature, March 2, 2000, pgs. 59-61, vol. 404, Macmillian Magazines, Ltd.	
	3	OKUYAMA, KIKUO et al., "Preparation of nanoparticles via spray route", Chemical Engineering Science, 2003, pgs. 537-547, vol. 58, Elsevier Science Ltd.	
	4	MURRAY, C.B. et al., "Synthesis and Characterization of Nearly Monodisperse CdE (E=S, Se, Te) Semiconductor Nanocrystallites", Journal of the American Chemical Society, 1993, pgs. 8706-8715, vol. 115, no. 19, American Chemical Society, USA	
	5	PENG, Z. Adam et al., "Nearly Monodisperse and Shape-Controlled CdSe Nanocrystals via Alternative Routes: Nucleation and Growth", Journal of the American Chemical Society, 2002, pgs. 3343-3353, vol. 124, no. 13, American Chemical Society, USA	
	6	PENG Z. Adam et al., "Formation of High-Quality CdTe, CdSe, and CdS Nanocrystals Using CdO as Precursor", Journal of the American Chemical Society, 2001, pg. 183-184, vol. 123, American Chemical Society, USA	
	7	MANNA, LIBERATO et al., "Synthesis of Soluble and Processable Rod-, Arrow-, Teardrop-, and Tetrapod-Shaped CdSe Nanocrystals", Journal of the American Chemical Society, 2000, pgs. 12700-12706, vol. 122, no. 51, American Chemical Society, USA	

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